APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/679,654	10/06/2003	Keith Bryan Knight	LOT9-2003-0023-US1 (7321-	4110

7590 06/29/2005	EXAMINER
Steven M. Greenberg, Esquire	WALSH, JOHN B

ART UNIT	PAPER NUMBER
2151	

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DATE MAILED: 06/29/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☐ Responsive to communication(s) filed on _____ .

2a) ☐ This action is **FINAL**.   2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) *1-13* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) *1-13* is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____ .

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date *10/6/2003*.

4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .

5) ☐ Notice of Informal Patent Application (PTO-152)

6) ☐ Other: _____ .

DETAILED ACTION

Claim Rejections - 35 USC § 102

1.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.   .

2.   Claims 1-13 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent No.

6,081,900 to Subramaniam et al.

As concerns claim 1, a method for tunneling (column 11, line 30) non-hypertext transfer

protocol (HTTP) data streams through a reverse proxy, the method comprising the steps of:

soliciting a secured connection with a reverse proxy protecting a back-end server computing

device (figures 1 and 2); establishing a connection with said back-end server computing device

via said reverse proxy through said solicitation (figures 1 and 2); and, responsive to establishing

said connection, maintaining said connection and exchanging non-HTTP data over said secured

connection without encapsulating said non-HTTP data within HTTP messages (figures 1 and 2,

column 3, lines 40-50).

As concerns claim 2, the method of claim 1, wherein said soliciting step comprises the

step of requesting a secured sockets layer (SSL) connection with said reverse proxy (column 3,

line 25).

As concerns claims 3 and 11, wherein said requesting step comprises the steps of:

acquiring an address for said reverse proxy and a port for establishing an SSL connection with

said reverse proxy (inherent when communicating to acquire an address and port); further

acquiring an address for said back-end server computing device and a port for establishing an

SSL connection with said back-end server computing device (inherent when communicating to

acquire an address and port); formulating an HTTP-CONNECT message using said acquired

addresses and ports; and, writing said formulated HTTP-CONNECT message to said reverse

proxy (figures 1 and 2).

As concerns claims 4 and 12, wherein said exchanging step comprises the steps of:

formatting a buffer with real-time data; and, writing said buffer to said secured connection

(column 3, lines 51-52).

As concerns claims 5 and 13, further comprising the step of performing authentication in

said reverse proxy as a condition of establishing said secured connection (column 8, lines 40-

41).

As concerns claim 6, a system for tunneling non-hypertext transfer protocol (HTTP) data

streams through a reverse proxy, the system comprising: a reverse proxy disposed between a

client computing device (column 3, line 15) and a server (column 3, lines 14-15) computing

device in a computer communications network; an authentication process configured for

operation in conjunction with said reverse proxy (figures 1 and 2, column 8, lines 40-41); a

communications socket established between said reverse proxy and said client computing

device (figures 1 and 2); and, a non-HTTP data handler coupled to said secured

communications socket and programmed to write non-HTTP data to said reverse proxy without

encapsulating said non-HTTP data within HTTP messages (figures 1 and 2, column 3, lines 40-

50).

As concerns claim 7, the system of claim 6, wherein server computing device is a real-time streaming media server, said non-HTTP data handler is a real-time streaming media client, and said non-HTTP data is real-time streaming media (column 5, lines 43-49).

As concerns claim 8, the system of claim 6, wherein said communications socket is a secured sockets layer (SSL) communications link (column 3, line 25).

As concerns claim 9, a machine readable storage having stored thereon a computer program for tunneling non-hypertext transfer protocol (HTTP) data streams through a reverse proxy, the computer program comprising a routine set of instructions for causing the machine to perform the steps of: soliciting a secured connection with a reverse proxy protecting a back-end server computing device (figures 1 and 2); establishing a connection with said back-end server computing device via said reverse proxy through said solicitation (figures 1 and 2); and, responsive to establishing said connection, maintaining said connection and exchanging non-HTTP data over said secured connection without encapsulating said non-HTTP data within HTTP messages (figures 1 and 2; column 3, lines 40-50).

As concerns claim 10, the machine readable storage of claim 9, wherein said soliciting step comprises the step of requesting a secured sockets layer (SSL) connection with said reverse proxy (column 3, line 25).
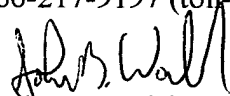
Conclusion

3.   The prior art made of record and not relied upon is considered pertinent to applicant's

disclosure.

4.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to John B. Walsh whose telephone number is 571-272-7063. The

examiner can normally be reached on Monday-Wednesday from 5:30-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Zarni Maung can be reached on 571-272-3939. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

John B. Walsh
Primary Examiner
Art Unit 2151